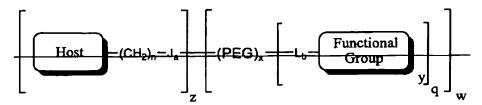
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IN THE CLAIMS:

- 1-4. (Cancelled)
- 5. (Previously Presented) A composition comprising:
- a cyclodextrin-containing polymer,
- a therapeutic agent, and
- a complexing agent, comprising:
 - at least one guest moiety that forms an inclusion complex with a host moiety of said cyclodextrin-containing polymer, wherein the guest moiety is selected from adamantyl, naphthyl, cholesterol, and combinations thereof, and at least one polymer portion that increases solubility and/or imparts stabilization relative
 - to a composition of the cyclodextrin-containing polymer and therapeutic agent alone;

wherein the cyclodextrin-containing polymer, the therapeutic agent, and the complexing agent are separate molecules.

- 6. (Previously Presented) A composition of claim 5, wherein said therapeutic agent is selected from an antibiotic, a steroid, a polynucleotide, small molecule pharmaceutical, a virus, a plasmid, a peptide, a peptide fragment, a chelating agent, a biologically active macromolecule, and mixtures thereof.
- 7. (Original) A composition of claim 6, wherein said therapeutic agent is a polynucleotide.
- 8-11. (Cancelled)
- 12. (Currently Amended) A composition of claim 5, wherein the complexing agent is a compound of the formula:



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Guest
$$-(CH_2)_h - J_a$$
 $+ L_b$ $-(CH_2)_h - J_a$ $+ L_b$ $+ L_$

wherein

 $\label{eq:condition} \text{J is -NH-, -C(=O)NH-CH$_2$_d-, -NH-C(=O)-(CH$_2$_d-, -CH$_2$_S-, -C(=O)O-(CH$_2$_e-O-P(=O)(O-CH$_2$_e-$

, a peptide or polypeptide residue, or

-NH-(C=O)-CH(R1)-NH-(C=O)-CH(R1)-NH-;

Y is an additional host-guest functionality;

 R^1 is $-(CH_2)$ - CO_2H , an ester or salt thereof; or $-(CH_2)_a$ - $CONH_2$;

PEG is $-O(CH_2CH_2O)_z$, where z varies from 2 to 500;

L is H, -NH, -NH-(C=O)-(CH₂)_e-(C=O)-CH₂-, -S(=O)₂-HC=CH-, -SS-, -C(=O)O-, or a carbohydrate residue;

a is 0 or 1;

b is 0 or 1;

d ranges from 0 to 6;

e ranges from 1 to 6;

n ranges from 0 to 6;

q ranges from 1 to 5;

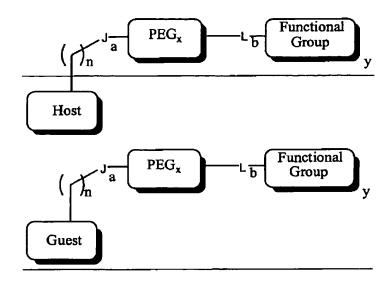
w ranges from 1 to 5;

y is 1; and

x is 0 or 1.

13. (Currently Amended) A composition of claim 5, wherein the complexing agent is a compound of the formula:

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wherein

J is -NH-, -C(=O)NH-CH₂)_d-, -NH-C(=O)-(CH₂)_d-, -CH₂SS-, -C(=O)O-(CH₂)_e-O-P(=O)(O-

, a peptide or polypeptide residue, or

-NH-(C=O)-CH(R1)-NH-(C=O)-CH(R1)-NH-;

Y is an additional host-guest functionality;

R¹ is -(CH₂)-CO₂H, an ester or salt thereof; or -(CH₂)₃-CONH₂;

PEG is -O(CH₂CH₂O)_z-, where z varies from 2 to 500;

L is H, -NH, -NH-(C=O)-(CH₂)_e-(C=O)-CH₂-, -S(=O)₂-HC=CH-, -SS-, -C(=O)O-, or a carbohydrate residue;

a is 0 or 1;

b is 0 or 1;

d ranges from 0 to 6;

e ranges from 1 to 6;

n ranges from 0 to 6;

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y is 1; and

x is 0 or 1.

- 14. (Previously Presented) A composition of claim 5, wherein the complexing agent further comprises a group selected from a ligand, a nuclear localization signal, an endosomal release peptide, an endosomal release polymer, or a membrane permeabilization agent.
- 15. (Previously Presented) A composition of claim 5, wherein the polymer portion increases the solubility of the composition under biological conditions relative to a composition of the cyclodextrin-containing polymer and therapeutic agent alone.
- 16. (Previously Presented) A composition of claim 5, wherein the polymer portion stabilizes the composition under biological conditions relative to a composition of the cyclodextrincontaining polymer and therapeutic agent alone.
- 17. (Previously Presented) A composition of claim 5, wherein the complexing agent further comprises a therapeutic agent reversibly bound to the complexing agent.
- 18. (Previously Presented) A composition of claim 5, wherein the complexing agent further comprises a spacer group.

19-22. (Cancelled)

- 23. (Previously Presented) A composition of claim 5, wherein at least one polymer portion of the complexing agent comprises PEG or derivatives thereof.
- 24-26. (Cancelled)
- 27. (Previously Presented) A composition of claim 5, wherein the cyclodextrin-containing polymer comprises one or more cyclodextrins in side chains of the cyclodextrin-containing polymer.

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- 28. (Previously Presented) A composition of claim 5, wherein the cyclodextrin-containing polymer comprises a linear cyclodextrin-containing polymer wherein cyclodextrin moieties are present in the backbone of the polymer.
- 29. (Cancelled)
- 30. (Previously Presented) A composition comprising:
- a cyclodextrin-containing polymer,
- a therapeutic agent, and
- a complexing agent, comprising:
 - at least one functional group,
 - at least one guest moiety that forms an inclusion complex with a host moiety of said cyclodextrin-containing polymer, wherein the guest moiety is selected from adamantyl, naphthyl, cholesterol, and combinations thereof, and

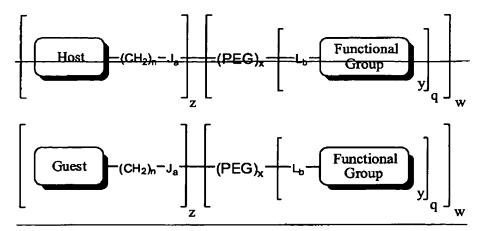
at least one polymeric spacer group;

wherein the cyclodextrin-containing polymer, the therapeutic agent, and the complexing agent are separate molecules.

- 31. (Previously Presented) A composition of claim 30, wherein said therapeutic agent is selected from an antibiotic, a steroid, a polynucleotide, small molecule pharmaceutical, a virus, a plasmid, a peptide, a peptide fragment, a chelating agent, a biologically active macromolecule, and mixtures thereof.
- 32. (Previously Presented) A composition of claim 31, wherein said therapeutic agent is a polynucleotide.
- 33. (Cancelled)
- 34. (Previously Presented) A composition of claim 30, wherein at least one spacer group of the complexing agent comprises PEG or derivatives thereof.

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35. (Currently Amended) A composition of claim 34, wherein the complexing agent is a compound of the formula:



wherein

J is -NH-, -C(=O)NH-CH₂)_d-, -NH-C(=O)-(CH₂)_d-, -CH₂SS-, -C(=O)O-(CH₂)_e-O-P(=O)(O-

$$(CH_2)_e$$
-Y)O-, a peptide or polypeptide residue, or

-NH-(C=O)-CH(R1)-NH-(C=O)-CH(R1)-NH-;

Y is an additional host-guest functionality;

R¹ is -(CH₂)-CO₂H, an ester or salt thereof; or -(CH₂)₈-CONH₂;

PEG is -O(CH₂CH₂O)_z-, where z varies from 2 to 500;

L is H, -NH, -NH-(C=O)-(CH₂)_e-(C=O)-CH₂-, -S(=O)₂-HC=CH-, -SS-, -C(=O)O-, or a carbohydrate residue;

a is 0 or 1;

b is 0 or 1;

d ranges from 0 to 6;

e ranges from 1 to 6;

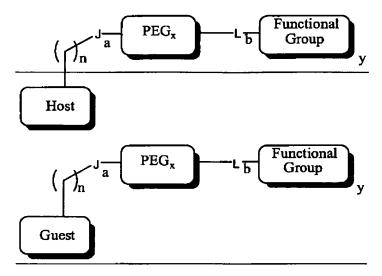
n ranges from 0 to 6;

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q ranges from 1 to 5; w ranges from 1 to 5; y is 1; and x is 1.

36. (Currently Amended) A composition of claim 34, wherein the complexing agent is a compound of the formula:



wherein

J is -NH-, -C(=O)NH-CH₂)_d-, -NH-C(=O)-(CH₂)_d-, -CH₂SS-, -C(=O)O-(CH₂)_e-O-P(=O)(O-

-NH-(C=O)-CH(R1)-NH-(C=O)-CH(R1)-NH-;

Y is an additional host-guest functionality;

 R^1 is $-(CH_2)-CO_2H$, an ester or salt thereof; or $-(CH_2)_a-CONH_2$;

PEG is -O(CH₂CH₂O)₂-, where z varies from 2 to 500;

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carbohydrate residue;
a is 0 or 1;
b is 0 or 1;
d ranges from 0 to 6;
e ranges from 1 to 6;
n ranges from 0 to 6;
y is 1; and
x is 1.
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L is H, -NH, -NH-(C=O)-(CH₂)_e-(C=O)-CH₂-, -S(=O)₂-HC=CH-, -SS-, -C(=O)O-, or a

- 37. (Previously Presented) A composition of claim 30, wherein at least one functional group includes a group selected from a ligand, a nuclear localization signal, an endosomal release peptide, an endosomal release polymer, or a membrane permeabilization agent.
- 38. (Previously Presented) A composition of claim 30, wherein at least one functional group includes a moiety that increases the solubility of the composition under biological conditions relative to a composition of the cyclodextrin-containing polymer and therapeutic agent alone.
- 39. (Previously Presented) A composition of claim 30, wherein at least one functional group includes a moiety that stabilizes the composition under biological conditions relative to a composition of the cyclodextrin-containing polymer and therapeutic agent alone.
- 40. (Previously Presented) A composition of claim 30, wherein at least one functional group includes a therapeutic agent reversibly bound to the complexing agent.
- 41. (Previously Presented) A composition of claim 30, wherein the cyclodextrin-containing polymer comprises one or more cyclodextrins in side chains of the cyclodextrin-containing polymer.
- 42. (Previously Presented) A composition of claim 30, wherein the cyclodextrin-containing polymer comprises a linear cyclodextrin-containing polymer wherein cyclodextrin moieties are present in the backbone of the polymer.